CLAIMS:

1. An apparatus for reworking a steel edge of a ski, comprising at least one grinding apparatus made of a cup-like grinding wheel which is driven by a motor and comprises a rotational axis extending transversally to the direction of feed, a bearing block arranged on a feed carriage which forms an oscillating axis for the grinding device extending transversally to the direction of feed and perpendicular to the rotational axis of the grinding wheel, a guide means for the feed carriage which is held in a transverse carriage movable transversally to the direction of feed and is rotatable about an axis extending in the direction of feed, and an adjusting device for the angular position of the guide means of the feed carriage, characterized in that the adjusting device for the angular position of the guide means (8) of the feed carriage (9) comprises an actuating drive (11) which can be triggered with the help of a control device depending on the position of the grinding intervention relating to the length of the ski.

2. An apparatus according to claim 1, characterized in that the actuating drive (11) comprises a controlled electric stepper motor (12) with a low-play gear (13) which is connected with the guide means (8) for the feed carriage (9).

3. An apparatus according to claim 1 or 2, characterized in that the grinding device (16) can be connected with the bearing block (15) in a torsionally rigid manner by way of a locking device (19).

4. An apparatus according to one of the claims 1 to 3, characterized in that a double-arm lever (24) is held on the transverse carriage (6), which lever comprises two guide rollers (23) provided on either side of the grinding device (16) for the lateral longitudinal edges of the ski (1).

5. An apparatus according to claim 4, characterized in that the lever (24) with the guide rollers (23) can be connected in its respective pivoting position in a

torsionally rigid manner with the transverse carriage (6) by means of a locking device (27).

6. An apparatus according to one of the claims 1 to 5, characterized in that a feed cylinder (28) acts upon the feed carriage (9), which feed cylinder can be triggered by the control device depending on the position of the grinding intervention relating to the ski length.

7. An apparatus according to one of the claims 1 to 7, characterized in that the speed of the grinding wheel (18) and/or the feed speed is changeable depending on the position of the grinding intervention relating to the length of the ski.

8. An apparatus according to one of the claims 1 to 7, characterized in that the control device comprises an interface for entering the respective control parameters for grinding the ski edge.

9. An apparatus according to one of the claims 1 to 8, characterized in that a writing device for a preferably machine-readable identifier of the respective control parameters for grinding the ski edge can be triggered by way of the control device.